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PTO/SB/21 (04-04)

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		Application Number	10/674,7	84			
TRANSMITTAL	Filing Date	09/30/2003					
FORM	First Named Inventor	Bernd He	pefflinger et al.				
(to be used for all correspondence after initial filing)		Art Unit	2612				
DEMA	Examiner Name		·				
Total Number of Pages in This Submission		Attorney Docket Number	4965-000	0163			
	ENCLOS	SURES (check all that apply)					
Fee Transmittal Form	Drawing	g(s)	After Allowance Communication to Technology Center (TC)				
Fee Attached	Fee Attached Licensin			al Communication to Board of als and Interferences			
Amendment / Reply	Petition			ll Communication to TC al Notice, Brief, Reply Brief)			
After Final	Provisio	to Convert to a onal Application	☐ Propri	etary Information			
Affidavits/declaration(s)		of Attorney, Revocation of Correspondence Address	☐ Status	Letter			
Extension of Time Request	Termina	al Disclaimer		Enclosure(s) e identify below):			
Express Abandonment Request		t for Refund mber of CD(s)	English translation of International Preliminary Examination Report, including				
Information Disclosure Statement	Information Disclosure Statement			ge 5 which was missing from e IPER previously sent on /20/2004; and postcard.			
Certified Copy of Priority Document(s)		The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed.					
Response to Missing Parts/ Incomplete Application		Account No. 05-0730.	A duplicate	copy of this sheet is enclosed.			
Response to Missing Parts under 37 CFR 1.52 or 1.53							
SIGNA	TURE OF A	PPLICANT, ATTORNEY, O	R AGENT				
Firm or Individual name Harness, Dickey & Pierce, P.L.C		Attorney Name C. Christopher M. Brock		eg. No. 7313			
Signature Clim	Signature Climitalen Me Corocle						
Date November 30, 2004							
	CERTIFICATE OF TRANSMISSION/MAILING						
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.							
Typed or printed name Christopher M			Express Mail Label No.	EV 406 075 952 US (11/30/2004)			

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

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Date

November 30, 2004

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Translation

PATENT COOPERATION TREATY



PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 2613P107WO-TDd	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)				
International application No.	International filing date (day/month/year) Priority date (day/month/year)				
PCT/EP2002/003356	26 March 2002 (26.03.2002) 03 April 2001 (03.04.2001)				
International Patent Classification (IPC) or no H04N 5/217	tional classification and IPC				
Applicant INSTITU	FÜR MIKROELEKTRONIK STUTTGART				
This international preliminary exart Authority and is transmitted to the appropriate	nination report has been prepared by this International Preliminary Examining plicant according to Article 36.				
2. This REPORT consists of a total of	5 sheets, including this cover sheet.				
been amended and are the ba (see Rule 70.16 and Section	ed by ANNEXES, i.e., sheets of the description, claims and/or drawings which have sis for this report and/or sheets containing rectifications made before this Authority 607 of the Administrative Instructions under the PCT).				
These annexes consist of a to	al of 7 sheets.				
3. This report contains indications relat	ng to the following items:				
Basis of the report					
II Priority					
III Non-establishment	of opinion with regard to novelty, inventive step and industrial applicability				
IV Lack of unity of invention					
Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
VI Certain documents cited					
Commin defects in the international amplication					
Considerations on the international application					
VIII Certain observations on the international appropriation					
	Date of completion of this report				
Date of submission of the demand	2002 (00 00 2002)				
16 August 2002 (16.08.	2002) 06 June 2003 (06.06.2003)				
Name and mailing address of the IPEA/EP	Authorized officer				
Pacsimile No.	Telephone No.				

INTERNATIONAL PRELEMINARY EXAMINATION REPORT

International application No.

PCT/EP2002/003356

	icle 14 are referred t	o in this report	I (Replacement she as "originally filed	ets which have been furnished to the receiving Office in re-	sponse to an invitation ntain amundments.):
	the internations	al application a	s originally filed.		
\boxtimes	the description,	, pages	<u> </u>	, as originally filed,	
		pages		_, filed with the demand,	
		pages		_, filed with the letter of	
				, filed with the letter of	
\boxtimes	the claims,	Nos		_ , as originally filed,	
Harris .				, as amended under Article 19,	
				, filed with the demand,	
				, filed with the letter of 27 February 200	3 (27.02.2003)
				, filed with the letter of	
\square	the drawings,	sheets/lia	1/8-8/5	, as originally filed,	
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	report has been es	tablished as if		ndments had not been made, since they have been	considered
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP 02/03356

v.	Reasoned statement under Article C citations and explanations supportl	35(2) with regard to noing such statement	ovelty, inventive step or Industrial appli	cability;
1.	Statement			
	Novelty (N)	Claims	1-24	YES
		Claims		NO
	Inventive step (IS)	Claims	1-24	YES
		Claims		NO
	Industrial applicability (IA)	Claims	1-24	YES
		Claims		NO

Citations and explanations

Reference is made to the following document:

D1: GB-A-2 149 605 (MARCONI AVIONICS) 12 June 1985 (1985 - 06 - 12)

1. Document D1 is considered the prior art closest to the subject matter of claim 1 and discloses (the references between parentheses refer to that document):

a method for the FPN correction of image signals (see page 2, line 56 to page 6, line 43; and figures 2A, 2B, 4 and 5) generated by image cells of an image sensor, said method comprising the following steps:

- a) determining in which of at least two value ranges the image signal value lies at a predetermined moment in time; and
- b) determining a corrected value for the image signal in accordance with the result from step a),

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the determining of the corrected value according to step b) comprising the following steps:

bi) selecting correction coefficients from several sets of correction coefficients according to the

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> the correction coefficients transforming the image signal value in line with a determined approximation characteristic curve, as per the preamble of claim 1.

The subject matter of claim 1 differs from the 2. method known from D1 in that the determined approximation characteristic curve for at least one value range is a segment of a parabola.

> The subject matter of claim 1 thus meets the requirements of PCT Article 33(2).

The above additional feature in claim 1 makes it З. possible to improve the quality of the FPN correction in relation to known methods, which use only rectilinear sections, since the use of an approximation characteristic curve that at least in sections is in the shape of a parabola allows better approximation to the optimum characteristic curve in the mathematical sense and with a reduced outlay.

> The subject matter of claim 1 thus meets the requirements of PCT Article 33(3).

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- 4. Since the subject matter of claim 17 concerns a device corresponding to the method in claim 1 and comprises features equivalent to the method steps in claim 1, this claim also meets the requirements of PCT Article 33(2) and (3) for corresponding reasons.
- 5. Dependent claims 2 to 16 and 18 to 24 add further details to the subject matter of independent claims 1 and 17 and therefore also meet the requirements of PCT Article 33(2) and (3).
- 6. Contrary to PCT Rule 5.1(a)(ii), the description does not cite document D1 or indicate the relevant prior art disclosed therein.

Contrary to PCT Rule 5.1(a)(iii), the description is inconsistent with the claims.

WITTE, WELLER & PARTNER

Patentanwälte

22. Okt. 2004

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